



Division on Engineering and Physical Sciences
Army Research Laboratory Technical Assessment Board

**Panel on Assessment of Terminal Effects Meeting
Building 4600, Aberdeen Proving Ground, Maryland**

**November 14– 17, 2022
Agenda**

Note: The data gathering sessions of this meeting to be held on November 14, 2022, from 09:30 am to 12:50 pm EST, 1:20pm to 2:20 pm, EST, and 2:50 pm to 3:05 pm, EST, 5:15 pm to 4:50 pm, EST; on November 15, 2022, from 9:25 am to 11:30 am, EST, and 1:45 pm to 2:45 pm, EST, 3:15 pm to 5:00 pm, EST; November 16, 2022, from 8:30 am to 11:30 am, EST, 11:30 am to 1:15 pm, EST, and 2:10 pm to 3:15 pm, EST; and November 17, 2022, from 12:30 pm to 2:30 pm, EST, and 2:30 pm to 4:30 pm, EST, will not be open to the public under Subsection 15(b)(3) of the Federal Advisory Committee Act, 5 U.S.C. App. The Academy has determined that to open these sessions to the public would disclose information described in 5 U.S.C. 552(b).

DAY 1: Monday, November 14, 2022

DATA GATHERING SESSION: OPEN TO THE PUBLIC

Location: Building 4600, Aberdeen Proving Ground, MD

9:15 - 9:30 Welcome and Introductions

DATA GATHERING SESSION: OPEN TO THE PUBLIC

12:50 - 13:20 Investigations Into Failure of Soft Materials, **Dr. Bryan Love for Dr. Denise Ford**

DATA GATHERING SESSION: OPEN TO THE PUBLIC

Location: Parlor Room at the Vandiver Inn, 301 South Union Avenue, Havre de Grace, MD, Tel: 202-263-9844

18:30 Joint Working Dinner: Panel Members, All Presenters, Competency Leads, Senior ARL Management Engage in Discussions (public distribution discussions only)

20:30 Adjourn

DAY 2: Tuesday, November 15, 2022

DATA GATHERING SESSION: OPEN TO THE PUBLIC

Location: B4600, Aberdeen Proving Ground, MD

Core Competency 2: Terminal Effects Mechanics, Modeling and Simulation

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| 8:30 – 8:45 | Opening Remarks, Dr. Pat Baker, ARL Director |
| 8:45 – 9:05 | Understanding Amorphization in B-rich ceramics and the Effects of Geometry on Mechanical Properties, Dr. Bryan Love for Dr. Denise Ford |
| 9:05 – 9:25 | Material Response of Granular Systems: From Understanding to Predicting, Dr. Daniel Cole |

DATA GATHERING SESSION: OPEN TO THE PUBLIC

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| 11:30 – 11:50 | Working Lunch |
| 11:50 – 12:15 | Panel Travels to EF11 Spesutie Island |

Location: Building EF11, Spesutie Island, Aberdeen Proving Ground, MD

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| 12:15 – 13:15 | Posters Session: Core competency 2 Part 2 |
| 13:15 – 13:45 | Panel Travels to EF1100F Spesutie Island |

Location: Building EF1100F, Spesutie Island, Aberdeen Proving Ground, MD

DAY 3: Wednesday, November 16, 2022

DATA GATHERING SESSION: OPEN TO THE PUBLIC

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| 13:15 – 13:55 | Architected Materials for Controlling Dynamic Behavior, Dr. Daniel Cole |
| 13:55 – 14:10 | Break |

DAY 4: Thursday, November 17, 2022